

THE TECH

VOL. XXVII. No. 2

BOSTON, MASS., FRIDAY, OCTOBER 4, 1907

PRICE THREE CENTS

PROF. JAGGAR ENRICHES KNOWLEDGE.

RETURNS THIS WEEK FROM TRIP TO
ALEUTIAN ISLANDS.

Party Gathered Much Data of Interest
to Science.

In the scientific world much interest is being taken in the return to Boston this week of Prof. Thomas A. Jaggar, who led Technology's expedition the past summer to the western Aleutian Islands for the purpose of gathering scientific data, especially with reference to the supposed volcanic origin of some of the group.

Prof. Jaggar was expected in Boston not later than Wednesday, and from the fragmentary reports of what he has seen and done it is expected that the scientific knowledge of the world will be greatly enriched by his report.

Prof. Jaggar and a small, selected party left here early in May for the exploration of the Aleutians. They went overland to Seattle, where they chartered the 39-ton schooner Lydia for their long



T. A. JAGGAR.

voyage in waters which are noted for their turbulence. They were absent from this country until Sept. 11, when they landed, safe and sound, at Seattle again, with a large amount of specimens and a great deal of written data.

Only two men from this part of the country accompanied Prof. Jaggar. They were D. B. Myers and H. P. Sweeney. Both are fourth-year students in the mining course at Tech and will graduate next June. These men have returned to the east.

Last week Prof. C. H. Warren received a letter from Prof. Jaggar in which he said the health of the party had been good and that the records, photographs and specimens they had secured in the Aleutians were all that could be desired. He said that some of the results were of economic interest.

Prof. Jaggar is probably one of the foremost, if not the very first of authorities of the world on earthquakes and volcanoes, having personally investigated the latest earthquake eruption of Vesuvius, the earthquake at San Francisco, the eruption of Mt. Pelee, and other notable phenomena of the sort. So one of the paragraphs in his letter to Prof. Warren will whet the appetites of knowledge-hungry scientists when they read what he said with reference to Bogoslof. His brief but impressive reference to that place was: "Bogoslof is one of the wonders of volcanology."

With the thoroughness which has always characterized his researches, there is no doubt that Prof. Jaggar has secured more accurate information concerning Bogoslof than the world has yet learned, and his report will be accepted as the final authority on it and the conditions prevailing there up to the present day.

FRESHMEN URGED TO WORK HARD.

AT CLASS MEETING JUNIORS GIVE
ADVICE ON FIELD DAY.

1911 Men Elect Officers, Cowee of Andover
Being Chairman.

The Freshmen held their first class meeting Wednesday. Pres. Moses, '09, welcomed the new men on the part of the two upper classes. Speeches concerning Field Day were made by Whitikar, '09, on track; Scharff, '09, on tug-of-war, and Critchett, '09, on football.

The men were urged to come out for the class teams promptly and in large numbers as Field Day is only a month



G. A. COWEE.

off, and all the time is needed for practice. It was said that work for these teams need not interfere in any way with studies, and that a man who is not strong enough to keep up both will never succeed at the Institute.

The Juniors volunteered to coach the tug-of-war and the varsity coach will attend to the relay men. Candidates for the former will report this afternoon at the Gym.

(Continued on page 4.)

FRESHMEN DINE TOMORROW.

First 1911 Dinner at the Union at 6.30 P.M.
Only Freshmen Admitted.

Tomorrow evening the Union will be the scene of the first Freshmen dinner, given under the auspices of The Tech. This dinner is held during the first week of every year to give the Freshmen a chance to become acquainted and to meet members of the Faculty and students prominent in Technology activities.

The alumni will be represented by two of their most prominent members, Isaac W. Litchfield and James P. Munroe, the latter a member of the Corporation. For the Faculty, Dean Alfred E. Burton, Bursar F. H. Rand and Registrar Walter Humphreys will address the class.

A. L. Moses, '09, president of the Junior Class, will speak to the first year men of the constant training necessary to develop their teams, and John Tobin, '08, manager of the Track Team, will describe the track athletics at the Institute, and the prospects for the year.

Loring, '08, captain of the Fencing Team, will represent his part of Technology athletics, and explain the system of coaching here, which in the past has developed fast fencing teams. The publications of Technology will be described by H. W. Hoole, '08, Editor-in-Chief of THE TECH, and the opportunities in literary lines fully explained.

The dinner will be held at 6.30 tomorrow evening, at the Tech Union, Garrison Street. Tickets at fifty cents each may be obtained today and tomorrow in Rogers Corridor, and must be purchased early, as the capacity of the dining room is limited.

URGES PARTICIPATION IN STUDENT LIFE.

PRES. NOYES GREETED NEW STUDENTS.

Advises Freshmen to Make Most of
General Studies and Social Life.

President Noyes met the new men in Huntington Hall yesterday afternoon, and greeted them in a characteristic talk. About 700 students were in the hall, the majority of them being upper-class men. President Noyes spoke particularly of the value of the various student activities, and urged the new men to enter one or another of the branches of this field for outside diversion. He spoke in part as follows:—

The object for which you have come to us we shall assume to be the preparation of yourselves for a life of active service of a high intellectual order among your fellowmen—a service that shall consist not merely in doing the routine work of the world, but in directing its great engineering enterprises and promoting its scientific and industrial development. We shall assume that you have come to us not merely to acquire such a technical knowledge of the industrial arts as might make you successful mechanics, draftsmen, or chemical analysts, but in order to make of yourselves leaders in the scientific professions—to become engineers, architects and chemists of the highest type.

The fact that you have deliberately selected this institution for your education shows that you already appreciate that it is only by strenuous endeavor and close application that important results can be accomplished; and I do not need to tell you that the Institute expects its students to work hard during the period of their study. It is the habit of work and seriousness of purpose here acquired that account for the success of its graduates, no less than the training of their mental faculties.

Yet I should be very sorry to give any of you the impression that your life here is to be or ought to be one of work alone; on the contrary, the student who neglects the opportunities incidental to his Institute course for the development of a spirit of good fellowship and the cultivation of his social faculties, for the broadening of his interests and his general culture, and for the development of a healthy physique is likely to be outstripped in his subsequent career by a less intellectual comrade who gives a duly proportioned attention to these matters.

I would first emphasize the vital importance of attending to the maintenance of your health in every way—by sleeping enough, by having your meals regularly, and by taking a proper amount of exercise. Earnest students are apt to disregard these things, because, being young and in good health, they experience no immediate harm from so doing; but continued neglect of them is sure to lead to an impairment of the constitution, and with it of individual happiness and efficiency.

The Institute does not make physical training a compulsory subject; for it prefers to make this a matter of individual responsibility after bringing the need of it as forcibly as possible to the attention of students.

This much is, however, expected: that every first-year student go to the gymnasium at a specially assigned time within the next four weeks. The instructor there will make the usual anthropometric measurements, and strength tests, which will be recorded on a card subsequently delivered to the student. Those students whose physical development is much below the normal will receive notes informing them of that fact and strongly advising systematic exercise at the gymnasium.

The Institute awards each year five bronze medals to those students who show the greatest physical development during the school-year; and you are all urged to enter into competition for those medals.

(Continued on page 3.)

Y. M. C. A. ENTERTAINS NEW MEN TONIGHT.

UNION THE SCENE OF RECEPTION.

Speakers and Refreshments to Supply
Entertainment for Freshmen.

This evening at 8 o'clock the Tech Y. M. C. A. will give a reception to all new men at the Union. This meeting is to be entirely of a social character, merely a means of getting the new men acquainted with one another, and is in no wise a method for canvassing members for the Tech Y. M. C. A.

The speakers are to be introduced by J. G. Reid, '08, president of the Tech Association, who will preside; Dean Burton will speak for the Faculty, while many other professors and instructors will be present in order to give the Freshmen a chance to meet them socially.



L. W. BROCK.

The athletic committees will probably be represented by Orr or Tobin, and the plans for Field Day will be announced by the Juniors who are aiding the Freshmen. C. C. Hield, '10, will speak to the men about the Musical Clubs; and the several school publications as important factors in the interest and life of the Institute will be spoken of by H. W. Hoole, '08.

The speaking will end with L. W. Brock, secretary of the association, who will talk a few moments on the aims and results of the Association, after which light refreshments and a general good time at the piano will round out the evening's entertainment.

TURBINE IS PURCHASED.

Big Engine Secured but no Place to Put It.

During the summer the Institute has purchased from the Westinghouse Company a 500 kilowatt Parsons turbine with generator shaft and bearings. It is to run in connection with the large superheater purchased last spring, steam being furnished at 200 pounds pressure and 150 degrees of superheat.

At present the Institute is not able to obtain the generator, so that a large water brake has been supplied. This will absorb the load and measure the power supplied, enabling careful experiments in efficiency to be made.

The rumor that the lunch room in Pierce is to go to make room for this powerful addition to Technology energies is now branded as false, though the faculty admits that it has no place for the engine.

THE TECH

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Contributions are requested from all under graduates, alumni, and officers of instruction. All communications regarding subscriptions or advertisements should be addressed to the Business Manager.

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Friday, October 4, 1907.

That the position of athletic coach at the Institute, left vacant by a man who has had long experience in the work, should be immediately filled by another of equal ability is extremely fortunate. Major Briggs, chairman of the Advisory Council, is to be congratulated on his choice for the position, Mr. Frank Kany.

RULES FOR FRESHMEN.

Be loyal, 1911, to your new class, your new school, your new Alma Mater. Lay aside your prep school insignia. You have new one to gain, greater in value than any you ever could have secured in your prep days.

The following rules were passed by a joint committee from 1903 and 1904, and have been accepted each year by the upper classes. Every upper classman is bound to carry the rules into effect.

No freshman shall wear any hat, cap, sweater, jersey, or sleeveless shirt bearing any preparatory school numerals, initials or insignia of any variety.

However, sweaters or jerseys bearing such insignia may be worn inside out, or with the insignia on the back of the wearers.

Preparatory school pins, if worn at all, should be worn so as not to be in sight.

ATHLETIC MANAGERS.

Although the conduct of Tech athletics has never been marred by professionalism, it has been greatly hampered and hurt by poor management of several of the athletic teams. Managers have been elected who knew absolutely nothing of the duties of their office, oftentimes knew nothing of the sport they were carrying on. Managers have been elected who cared only for the glamour and questionable glory connected with their office.

It has not been the fault of the individual but of the system of election. With every student at the Institute a member of the athletic association, with only a few of the student body interested in the conduct of athletics it has been possible at times to use methods in the election of managers and officers that would disgrace ward politicians.

Many managers and officers have been elected in the past at the meetings of the athletic association because they happened to have their "gang" there to vote. Other qualifications were not considered.

In spite of the haphazard methods of election by so called popular vote, the Institute has had some very capable men in charge of teams. But the incapables are too numerous to mention.

Incapable and inefficient officers and managers have thrown the burden of the conduct of athletics, both for censure and praise, upon the head of the Advisory Council.

Competition is the only method by which efficient men can be secured. Fair competition is only possible with a fair and unbiased body. This body should be composed of picked men of the school. No opportunity should be given for packing meetings, wire pulling for candidates, and election of men who are not only ignorant of the conduct of sports but are often a disgrace to the Institute in dealing with other colleges.

REBORI PLACED SECOND.

Tech Architect Gets Second in Competition for Paris Prize.

In the final competition for the Paris prize of the Beaux Arts architects of New York, Andrew N. Rebori, Course IV, failed to secure the first place, the prize going to T. S. Wagner of the Hornbostel Atelier of New York. O. R. Eggers, H. Wenzell and G. R. Klinhart, all of the Hornbostel Atelier were other men in the final competition.

Rebori passed successfully through the two preliminary competitions and was was looked upon as a likely candidate for the prize. He worked all summer on the final drawings spending a month en loge at Columbia with the other competitors. He was delayed three weeks in Boston which prevented him doing full justice to his drawings.

Rebori drew second place and was given \$100 for finishing in the competition. He is to return to the Institute this year as a graduate student.

The Paris prize holds the same place in American architectural education as the Grand Prix de Rome in European. The winner of the Paris prize will spend his winters in an atelier at the Ecole des Beaux Arts in Paris and his summers in study and travel through Europe.

The prize is \$2,500 which is used in paying the expenses of the winner. The winner is admitted to the first class at the Ecole des Beaux Arts without the usual entrance examinations, this concession being made by the French government in recognition of the progress of the American architectural education.

As the competition to students of architecture from the whole country, it is considerable honor to be among those trying in the final. Rebori will enter the competition next year with perhaps better result.

TECH MEN AT COBALT.

Miners Get Experience in Cobalt Mining Camps. Help Break Strike.

A party of ten Technology students, accompanied by three graduates, spent this summer in the mines of Cobalt, Ontario. Those composing the party were: Towne, '78, Crane, '95, Shay, '04, Joslin, '09, Elder, '07, Goodwin, '10, Grubnau, '08, White, '09, Penny, '09, Burt, '09, Loring, '09, and Reilly, '08.

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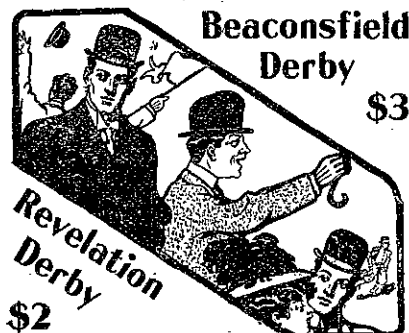
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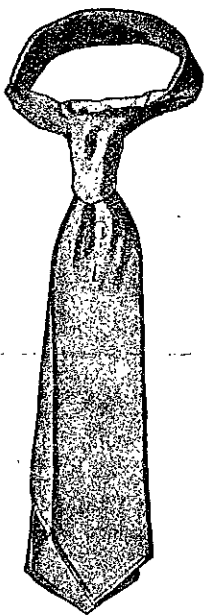
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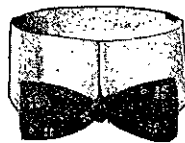
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URGES PARTICIPATION.

(Continued from page 1.)

It is also important for you while here to improve every opportunity of broadening your interests, of increasing your general culture, and of developing your social powers of dealing cordially and effectively with other men. For in order to become leaders, you must make of yourselves not only expert engineers but also broad-minded men.

The Institute represents a system of instruction whose aim is to combine a liberal education with a professional training in the principles of pure and applied science. It differs from trade schools and industrial institutes in that it includes in its curriculum a far larger proportion of cultural subjects; it differs from the university system in that cultural subjects and professional subjects are here closely interwoven and correlated, while there the earlier years of the student's education are devoted exclusively to the former and the later years exclusively to the latter class of subjects.

I mention this two-fold character of the Institute education; for we want you to appreciate in advance the importance of earnest effort in the so-called general studies of the Institute no less than in the strictly professional work. If any of you find that you feel at the start no interest in these general studies, you may be sure that you are just the ones that need them most.

Another opportunity of liberal development is participation in some of the many activities of student life,—athletics, class affairs, student publications, clubs, and societies—choosing such of them as will best combine recreation with exercise of those physical, literary, executive or social faculties for which you feel the most aptitude or which you regard most needful of development.

Neither the grind at the Institute, nor in after life the engineer who has no other interest than his own special work will gain the highest success; but on the other hand, the student who does not make outside activities subordinate to his studies and the engineer who spreads his activities over so wide a field as to cause him to neglect his own profession may meet with complete failure.

During the comparatively brief period of our school-year your studies must be your first obligation, and you must have the courage to suspend at once any of these outside functions when you find them inconsistent with the giving of proper attention to your regular work.

Over all such activities of students carried on outside of its buildings and not connected with its courses of study, the Institute exercises no supervision whatever. It places on you individually and collectively the responsibility of so conducting yourselves in public and in private as to secure the respect of the people with whom you are in contact.

Through your connection with this institution you become citizens of Boston; the various privileges of its citizens are thrown open to you, but also there are imposed upon you the obligations of its citizens. You have no right here in a busy section of this great city to indulge ven in those disorders and commotions which might be comparatively unobjectionable upon the campus of a country or suburban college.

The good fame of the Institute is in your hands. The Institute has always assumed that its students were no longer

school-boys, but were men who realized these obligations—that they were gentlemen who have a sufficient appreciation of the rights of others to cause them to refrain from those acts of hoodlumism which are a disgrace to the students of some colleges.

Let me call your attention to the fact that in scientific and engineering work absolute integrity is the first essential to success—an integrity that implies not only a spirit of reliability and honorableness in dealing with men, but also a spirit of determination to secure certainty and accuracy of results in dealing with things. The scientists or engineer who is willing to submit his conclusions to the public or to his employers before making every possible effort, by extending his experiments and verifying his calculations, to convince himself of their correctness is unworthy of his profession.

The Faculty therefore insists that throughout your course of study here all your work be done in this same spirit of perfect honesty; and this has reference not only to the passing of examinations, but also to your daily exercises in classroom, laboratory, and drawing-room, where it is expected that any work submitted to the instructor be your own production resulting solely from your own independent effort and thought, uninfluenced by the solutions of the same problem by other students or by knowledge of the correct numerical result.

In the study of science the mere acquirement of knowledge is a secondary matter; the prime purpose is the development of the power of logical and original thinking and of the capacity for handling new problems in science and engineering. You must, therefore, think about your work until you are sure you understand it. Make it a rule never to learn by heart anything that you do not fully understand.

CHANGE PLACE OF RUN.

Hare and Hounds to be Run at Waban Saturday.

Tomorrow will be held the first regular hare and hounds run of the season. The run is to be over the course at Waban and the train will leave Trinity Place station at 2.30 P. M. All men are invited to take part. There are no restrictions at all and it is desired by the manager that as many first year men as possible should come out.

The work given will be very light and the pace will not be forced at all. Coach Kanaly will jog over the course with the runners. By this means he expects to get a line on the men and aid them as much as possible by suggestions on the run.

KANALY WORKING HARD.

Track athletics have already begun with a rush. Coach Kanaly has been at the Field every afternoon meeting the new men and getting them started.

Everything points towards a record cross-country team this fall, as nearly everybody that shows up at the field, sprinters as well as long distance men, are required to run three or four laps on the quarter-mile track.

The fellows are already falling into the methods of the new coach. Mr. Kanaly gets out on the track in his running suit and runs around himself with the men, thus keeping a close watch on them and correcting their faults.

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FRESHMEN URGED TO WORK.

(Continued from page 1.)

The results of elections are: Chairman, G. A. Cowee of Andover; secretary, Stamford of Poly. Prep.; treasurer, Cushman of M. A. H. S.; football manager, Odell of M. A. H. S.; track manager, Lloyd Cooley, Brookline H. S.; tug-of-war manager, Kimball of Salt Lake City High School.

Cowee played football at Andover; Odell saw service at M. A. H. S.; Cooley was a member and manager of the B. H. S. track team; and Kimball makes a good sample of the style of man needed for a tug-of-war team.

1911 is already hustling for laurels; the tug-of-war men are called out for Friday, and football and track men are scheduled to begin training Monday. The Juniors are furnishing coaches for the sports, and earnestly hope that 1911 will respond to their efforts with a will.

Edgar K. Meader, B. S., Tufts '99, biologist, is to take up research work on milk in the biological department. Up to a short time ago Mr. Meader was superintendent of the Reinlach Co. of America in Bennington, Vt. This company manufactures milk powder and casein.

CALENDAR.

Friday, Oct. 4.

4.00 P. M. Tech Show Management answers inquiries in 34 Rogers.
4.00 P. M. 1911 Tug-of-War Meets at the Gym.
8.00 P. M. Y. M. C. A. Reception to New Men at the Union.

Saturday, Oct. 5.

2.37 P. M. Hare and Hounds Association Leaves Trinity Place for Waban.
6.30 P. M. Freshmen Class Dinner at the Union.

Monday, Oct. 7.

4.15 P. M. Fencing Club Meeting at 22 St. Botolph St.

NOTICES.

1910—Football candidates report at the Field at 4 o'clock this afternoon.

NEW STUDENTS are requested to call at the cage, Rogers Building, for mail which may have been left for them.

Technique '09—There will be a meeting of the board of editors of Technique '09 in the Trophy Room at 1 P. M. today.

There will be a meeting of all men interested in fencing at the Fencing Club's rooms, 22 St. Botolph St., at 4.15 P. M., Monday.

1910—An important Class Meeting will be held at 1 P. M. tomorrow in Huntington Hall. All members of the class are expected to be present.

CLASSIFIED ADS.

Advertisements of this kind under different classifications are inserted at the rate of five cents a line, averaging six words to the line, payable in advance.

WANTED—Books and Drill Suits, cash and commission. Book Exchange, 480 Boylston St., 1 flight.

LOST.—Wallet containing a sum of money, a season railroad ticket and other valuables. Finder please leave at cage for H. E. True, '08, and receive suitable reward.

FOURNON'S Fencing Academy. Opens Oct. 1st. M. I. T. Fencing Headquarters, 22 St. Botolph Street.

ROOMS TO LET—163 Huntington Ave., suite Two. Small, steam heated rooms on upper floor, gas and steam heat. \$1.50 and \$1.75 per week.

LOST.—Gold fob medal, bearing inscription of THE TECH, initials A. K. M. on back. Return to Cage.

FOUND—Fine place for Tech men to say what they think, Corner Stone Class, Union Congregational Church, Columbus Ave. and West Newton Street. The big new Merger Church. The fellows meet at 12.15 Sundays. Come, meet the other fellows.

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